

Initial Written
Report Date: 4/19/74

Date of Occurrence: 4/19/74

Time of Occurrence: 0715

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence
Report No. 50-219/74/28

IDENTIFICATION
OF OCCURRENCE:

Violation of the Technical Specifications, paragraph 3.4.A.1, which requires the core spray system to be operable at all times with irradiated fuel in the reactor vessel, except as specified in Specification 3.4.A.3 and 3.4.A.4. Suction valve (V-20-4) to the "B" core spray pump was stuck in the closed position for a period of approximately 15 minutes thereby causing a loss of core spray pump redundancy in system II. In addition, core spray system I was tagged out of service for maintenance at this time.

This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15B and D.

CONDITIONS PRIOR
TO OCCURRENCE:

<input type="checkbox"/> Steady State Power	<input type="checkbox"/> Routine Shutdown
<input type="checkbox"/> Hot Standby	<input type="checkbox"/> Operation
<input type="checkbox"/> Cold Shutdown	<input type="checkbox"/> Load Changes During
<input checked="" type="checkbox"/> Refueling Shutdown	<input type="checkbox"/> Routine Power Operation
<input type="checkbox"/> Routine Startup	<input type="checkbox"/> Other (Specify)
<input type="checkbox"/> Operation	

The reactor mode switch was in the REFUEL position with reactor coolant temperature approximately 104°F.

DESCRIPTION
OF OCCURRENCE:

At approximately 0715 on April 19, 1974, while performing surveillance testing on core spray system II, motor-operated valve V-20-4 failed to open electrically after having closed electrically in a normal manner. This surveillance testing was being performed

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on core spray system II after system I was tagged out of service for maintenance. (Hydraulic shock and sway arrestor units were being replaced on components of system I.) V-20-4 was manually opened approximately 15 minutes after this valve problem was identified.

APPARENT CAUSE
OF OCCURRENCE:

<input type="checkbox"/> Design	<input type="checkbox"/> Procedure
<input type="checkbox"/> Manufacture	<input type="checkbox"/> Unusual Service Condition
<input type="checkbox"/> Installation/	<input type="checkbox"/> In.c. Environmental
<input type="checkbox"/> Construction	<input type="checkbox"/> Component Failure
<input type="checkbox"/> Operator	<input type="checkbox"/> Other (Specify)

The apparent cause of this occurrence has not been identified at this time.

ANALYSIS OF
OCCURRENCE:

Motor-operated valve V-20-4 provides suction to the "B" core spray pump in core spray system II. This valve is normally maintained in the open position but is closed whenever required for isolation purposes. Had core spray system operation been required, the "B" core spray pump would have functioned normally both before performance of the surveillance testing and after the valve was locked in the open position. Only the isolation function of the valve was lost during these two time periods. The safety significance of this event is that for a period of approximately 15 minutes core spray pump redundancy was lost in system II. Since system I was tagged out of service during this time period, a further degradation in core spray system capability resulted.

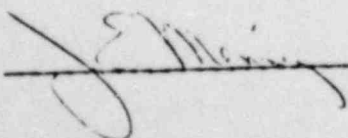
CORRECTIVE
ACTION:

Immediate corrective action involved manually opening the motor-operated valve (V-20-4) and tagging open the associated circuit breaker to prevent subsequent closing. Additional corrective actions will be determined following the completion of maintenance and review of this incident by the Plant Operations Review Committee.

FAILURE DATA:

To be supplied at a later date.

Prepared by:



Date:

